

CHEMISTRY SYLLABUS 2013-2014

Name of Course - General Chemistry

Name of Instructor(s) - Mrs. Hirschfelder & Mr. Deets

Course Length - 1 year

Class Textbook/Materials

Modern Chemistry Holt

ISBN: 0-03-056537-5

Calculator (Mr. Deets only)

Notebook or loose-leaf paper

Course Description:

This is a general chemistry course typical of first year introductory chemistry. Included are the major theoretical concepts dealing with matter, measurement, gases, acids and bases, development of chemical laboratory skills, and problem solving skills. Emphasis is placed on laboratory skills, chemical safety, and application of chemistry concepts to the real world.

Course Content

1st Semester	2nd Semester
Chapter 1: Matter & Change	Ch 10: Physical Characteristics of Gases
Ch 2: Measurements and Calculations	Ch 11: Molecular Composition of Gases
Ch 3: The Building Blocks of Matter	Ch 4: Arrangements of Electrons in Atoms
Ch 7: Chemical Formulas and Chemical Compounds	Ch 5: The Periodic Law
Ch 8: Chemical Equations and Reactions	Ch 6: Chemical Bonding
Ch 9: Stoichiometry	Ch 12: Liquids and Solids
	Ch 13: Solutions
	Ch 14: Ions in Aqueous Solution & Colligative Properties
	Ch 15: Acids and Bases (time permitting)
	Ch 16: Acid-Base Titrations (time permitting)

HOMEWORK POLICY

- **Student is present in class:** If an assignment is not turned when collected at the beginning of the class period, you will be allowed to hand it in by the time the test is given for that unit or chapter. You will only receive 50% of that grade for the assignment. A grade of zero "0" will be given if the assignment is not handed in.

- **Pre-arranged absences (field trips, athletic events, etc.):** Work is due and tests are required to be taken as soon as the student returns to school. For instance, students are told on Wednesday of a test to be given on Friday. If students are absent on Thursday due to a band trip, those students are expected to take the test with the rest of the class on Friday.

- **Excused absences:** It is the student's responsibility to contact teachers regarding missed work. Students will be allowed two (2) days for every day absent for an excused absence to make up missed work. (i.e. -1 day absent = 2 days to make up work; 2 days absent = 4 days to make up work) Make-up days do not include the first day following an absence. That day should be used to get the make-up assignments.

- **Student is absent from a class:** If a student is present when the assignment deadline is assigned, the student is expected to turn in that assignment on the day they return to class. If the assignment is not turned in on the day they return to class a grade of zero "0" will be given.

- **Student is absent three (3) consecutive days or more:** Student should see the teacher upon return. Student has no more than the number of consecutive days missed to make up assignments for full credit. (i.e. - 3 missed days = 3 days to make up work) A maximum of five (5) school days will be allowed to make up work. Assignments handed in after the given time period will be considered late and a grade of zero will be given.

- **Extended absences:** Student should consult with the teacher upon returning to class.

ATTENDANCE

Students are expected to attend class on a regular basis. In order to gain a true understanding of chemistry concepts, it is imperative that you attend class. Much of the information obtained in class builds from one chapter to another. In order to gain a true understanding of the scientific principles and methods you need to be in class. Students are expected to be on time for class. Students should be ready to work at his or her assigned seat when the bell rings. Students not in their assigned seat when the bell rings, you will be considered tardy.

MATERIALS

BE PREPARED FOR CLASS!!! Students are expected to bring all necessary materials to class including but not necessarily limited to their textbook, writing utensils, notebook, calculator and report materials, etc., as needed each day. Students are expected to take notes during lectures, as notes provide step-by-step examples of the problems you will be expected to be able to solve. Notes will also help you to remember some of the important details that you might otherwise forget.

GRADING SCALE

1st-4th QUARTER

Homework – 15%

Labs – 25%

Tests – 40%

Quizzes – 20%

SEMESTER

3RD Quarter – 40%

4TH Quarter – 40%

Semester Final – 20%

TIME EXPECTATIONS

Chemistry can be a very challenging subject. It is expected that an appropriate amount of time **outside of class** be allotted for reading, homework and studying. Approximately 30 minutes per night would be a good place to start.

Enjoy your stay in the wonderful world of science!!

YOU ONLY GET OUT WHAT YOU PUT IN

Mrs. Hirschfelder

Mr. Deets